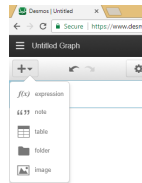


Creating Scatter Plots and Line of Best Fit using Desmos

<https://www.desmos.com/calculator>

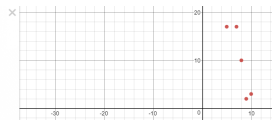
Hmk. p.64 q.5 & 9
p. 75& 76 q.3,5 ,6,8,11,12

i) Select Table



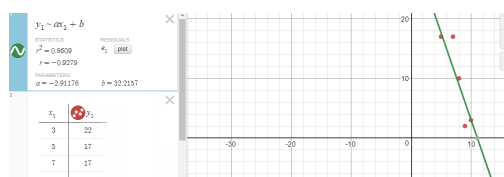
ii) input values

Distance from Baseline	Shots Made	x_1	y_1
3	22	3	22
5	17	5	17
7	17	7	17
8	10	8	10
9	2	9	2
10	3	10	3



Oct 19-7:37 AM

iii) Regress using $y_1 \sim ax_1 + b$



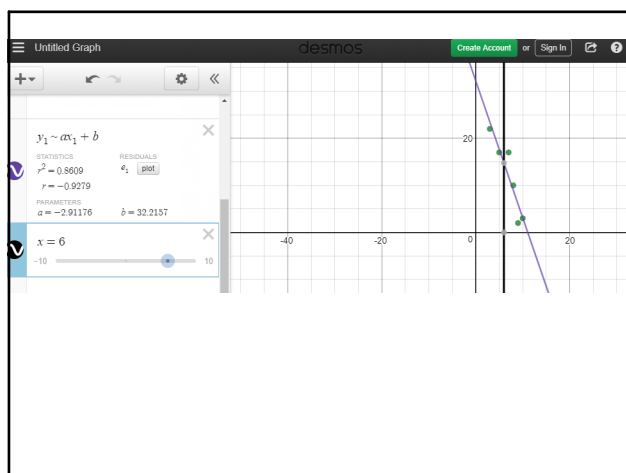
iv) Copy regression equation and R value

v) Interpolate

$$x =$$

$$y =$$

Oct 19-7:44 AM



Oct 19-8:58 AM

p79

Creating Scatter Plots

STAT
1. EDIT
ENTER DATA INTO L1 AND L2
GRAPH
CHANGE WINDOW
2nd Y=
1.
ON (CHANGE FROM OFF)

To Calc Line of Best fit

STAT
RIGHT
4. LIN REG (LINE OF BEST FIT)
ENTER
2nd 1,
2nd 2,
VARS
Scroll Right -Y Vars
1
1
Enter
COPY A (SLOPE),B(Y-INT), R(Correlation coefficient)
Y=
PUT IN EQN OF THE LINE
GRAPH
TRACE
INTERPOLATE AND EXTRAPOLATE

Apr 14-1:01 PM

p79

Creating Scatter Plots

STAT
1. EDIT
ENTER DATA INTO L1 AND L2
GRAPH
CHANGE WINDOW
2nd Y=
1.
ON (CHANGE FROM OFF)

To Calc Line of Best fit

STAT
RIGHT
4. LIN REG (LINE OF BEST FIT)
ENTER
2nd 1,
2nd 2,
VARS
Scroll Right -Y Vars
1
1
Enter
COPY A (SLOPE),B(Y-INT), R(Correlation coefficient)
Y=
PUT IN EQN OF THE LINE
GRAPH
TRACE
INTERPOLATE AND EXTRAPOLATE

Complete Questions assigned yesterday using TI 83

Apr 5-9:49 AM